Ramesh Golla

Indian Institute of Technology Hyderabad

ABSOLUTELY MINIMUM ATTAINING CLOSED OPERATORS

Abstract

We define and discuss properties of the class of unbounded operators which attain minimum modulus. We establish a relationship between this class and the class of norm attaining bounded operators and compare the properties of both. Also we define absolutely minimum attaining operators (possibly unbounded) and characterize injective absolutely minimum attaining operators as those with compact inverse. We give several consequence, one of them is that every such operator has a non trivial hyper invariant subspace.

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Talk location: Cupples I Room 218

Session: Contributed talk